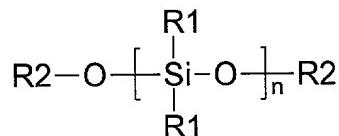


Claims

1. Ambient temperature curing coating composition comprising
5 - a polysiloxane having the formula



wherein each R1 is selected from the group consisting of alkyl, aryl, and alkoxy groups having up to six carbon atoms, reactive glycidoxy groups, and OSi(OR₃)₃ groups, wherein each R₃ independently has the same meaning as R1, each R2 is selected from the group consisting of hydrogen and alkyl and aryl groups having up to six carbon atoms, and wherein n is selected so that the molecular weight of the polysiloxanes is in the range of from 500 to about 2,000,
10 - a glycidyl-functional acrylic polymer,
- a hardener.

- 15 2. Coating composition according to claim 1, wherein the glycidyl-functional acrylic polymer is obtained by polymerisation in the polysiloxane.
- 20 3. Coating composition according to claim 1, wherein the polysiloxane is an alkoxsilyl-functional polysiloxane.
- 25 4. Coating composition according to claim 1, wherein the glycidyl-functional acrylic polymer is obtained by polymerising a mixture comprising glycidyl methacrylate and butyl acrylate.
5. Coating composition according to claim 4, wherein the mixture further comprises methyl methacrylate.

6. Coating composition according to claim 5, wherein the mixture comprises 15 - 75% by weight of glycidyl methacrylate, 0 - 60% by weight of methyl methacrylate, and 30 - 85% by weight of butyl acrylate.

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7. Coating composition according to claim 1, wherein the composition comprises from 45 to 75% by weight of the polysiloxane, from 20 to 45% by weight of the glycidyl-functional acrylic polymer, and from 4 to 11% by weight of the hardener, with % by weight being calculated on the basis of the weight of the coating composition.

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8. Coating composition according to claim 7, wherein the composition comprises from 60 to 70% by weight of the polysiloxane, from 20 to 30% by weight of the glycidyl-functional acrylic polymer, and from 7 to 11% by weight of the hardener, with % by weight being calculated on the basis of the weight of the coating composition.

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9. Use of a coating composition according to claim 1 as a protective coating.

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10. Use of a coating composition according to claim 1 for the coating at ambient temperature of large structures such as ships, bridges, buildings, industrial plants, or oil rigs.

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